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Sir:

Assignee Name: International Business Machines Corporation
 Assignee Residence: Armonk, New York

Transmitted herewith for filing is the Patent Application of:

Inventors: Sam Gat-Shang Chu et al.

For: REGISTER FILE

Enclosed are:

- Patent Specification (11 pages) and Declaration
- 6 sheets of drawing(s) (formal)
- An assignment of the invention to International Business Machines Corporation (includes Recordation Form Cover Sheet).
- A certified copy of a application.
- An associate power of attorney
- Information Disclosure Statement, Form PTO 1449 and References (2).

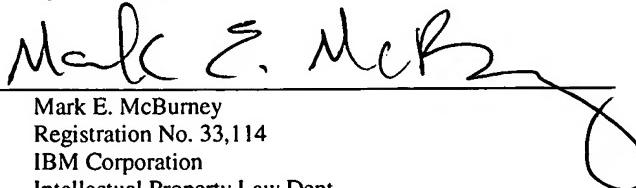
The filing fee has been calculated as shown below:

For	Number Filed	Number Extra	Rate	Fee
Basic Fee				\$ 770.00
Total Claims	20 - 20	0	x 18 =	\$ 0.00
Indep. Claims	4 - 3	1	x 86 =	\$ 86.00
¶ MULTIPLE DEPENDENT CLAIM(S) PRESENTED			+ 290 =	\$ -0.00-
			TOTAL	\$ 856.00

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- Any additional filing fees required under 37 CFR §1.16
- Any patent application processing fees under 37 CFR §1.17

Respectfully submitted,

By:



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